

Results for the 12'x140' circular tank with ramp:

Circular tank:

Tank Diameter = 140 ft

Tank Wall thickness = 10 in (actual)

Tank Height = 12 ft

$f_y = 60,000$ psi

$f'_c = 4,000$ psi

Horizontal Steel = #5 rebar		
Bar #	Spacing (in)	Distance from finished floor (ft - in)
1	3	0' 3"
2	12	1' 3"
3	12	2' 3"
4	10	3' 1"
5	8	3' 9"
6	8	4' 5"
7	8	5' 1"
8	8	5' 9"
9	8	6' 5"
10	8	7' 1"
11	8	7' 9"
12	8	8' 5"
13	8	9' 1"
14	8	9' 9"
15	8	10' 5"
16	8	11' 1"
17	8	11' 9"

Vertical Steel = #5 @ 10" O.C.


Dowels "L" bars from tank to footing shall be #5 @ 10" O.C. 30" vertical leg, 8" horizontal leg

In the tank wall, at the corner of the notch for the ramp add:

4-#6 bars x 13'-10" long @ 4" O.C. vertically

4-#6 bars x 20' long @ 4" O.C. horizontally

4-#6 bars x 6 feet long @ 4" O.C. at a 45 degree angle

 <i>Natural Resources Conservation Services United States Department of Agriculture</i>	<div>_____ County, PA</div> <div>ROUND TANK W/RAMP</div> <div>DETAIL Page 6.24</div>	Designed <u>PA NRCS</u> <u>12/01</u>
		Drawn <u>Hartz</u> <u>2/1/08</u>
		Revisions <u>Pereverzoff</u> <u>1/9/08</u>
		Checked _____
		Approved _____